

ABSTRACT

A direct coupled resonator filter having a plurality of resonant cavities (15) such that they are separated by ~~means of~~ inner (18)-walls (18) and a coupling (16)-~~means~~structure (16) couples two adjoining resonant cavities (15) since the coupling (16)-~~means~~structure (16) is located in a slot (20) defined in the inner (18)-wall (18). Thus, a portion of an edge of the slot (20) comes into ~~electrie~~electrical contact with the coupling (16)-~~means~~structure (16). In general, this portion of the edge of the slot (20) corresponds to a horizontal edge surface of the inner (18)-wall (18). It should be noted that the coupling (16)-~~means~~structure (16) is perpendicular to a vertical plane defined by the slot (20).

Figure 1

